

## ABSTRACT:

The invention relates to a network with several network clusters each comprising at least one wireless network node which is designed for the wireless transmission of packets in time slots of given length in a time multiplex process. The length of the packets has at least a value which is smaller than the length of a fixedly given time slot. According to the invention, a wireless network node joins together several packets into a superpacket and sends the superpacket via a point-to-multipoint connection to all wireless network nodes authorized for the data transmission. Upon reception of a superpacket, a wireless network node will derive a packet from the superpacket if the destination of this packet lies within the relevant associated network cluster.

Fig. 1